PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference TOA005WO01				FOR FURTHER AC	TION	See Form PCT/IPEA/416						
International application No.				International filing date	(day/month/year)	Priority date (day/month/year)						
PCT/JP2005/002237				15.02.2005		23.02.2004						
Internati	International Patent Classification (IPC) or national classification and IPC											
H04N1/41(2006.01), H04N7/30(2006.01)												
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Applica	Applicant											
TOA Corporation												
1	anı :											
1.	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 											
2.	This R	EPORT consists	of a total of	4	sheets, including	g this cover sheet.						
3.	This re	eport is also accor	mpanied by Al	NNEXES, comprising:								
	a. 🗲	(sent to the	applicant and	to the International Bure	eau) a total of 4	sheets, as follows:						
		1 / 1	_		-	mended and are the basis for this report and/or						
	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).											
			_		-	siders contain an amendment that goes beyond						
		the dis	sclosure in the	international applicatio	n as filed, as indicated	in item 4 of Box No. I and the Supplemental						
	ь. Г	(sent to the	International l	Bureau only) a total of (ii	ndicate type and number	r of electronic carrier(s))						
	٥. ٢	(sem to the	inicrnational i	Saretia only) a total of (ii	noicute type and number	i of electronic carrier(3))						
		related thereto	in computer	readable form only as	indicated in the Supple	_ , containing a sequence listing and/or tables						
	related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).											
4.	This re	eport contains ind	lications relatii	ng to the following items	:							
	\boxtimes	Box No. I	Basis of the	report								
		Box No. II	Priority									
		Box No. III	Non-establis	shment of opinion with re	egard to novelty, inventi	ive step and industrial applicability						
		Box No. IV	Lack of unit	y of invention								
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement											
	Box No. VI Certain documents cited											
	Box No. VII Certain defects in the international application											
	Box No. VIII Certain observations on the international application											
				Īr	Date of completion of thi	s report						
		Contain										
Name and mailing address of the IPEA/JP					authorized officer							
		-										
Facsimile No.					elephone No.							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002237

Вох	No. I	Basis of the report									
1.		n regard to the language, this report is based on the cated under this item.	international application in the language in	which it was filed, unless otherwise							
		This report is based on translations from the origin which is the language of a translation furnished for		,							
		international search (Rule 12.3 and 23.1(b))									
		publication of the international application (Rule 12.4)								
		international preliminary examination (Rule	55.2 and/or 55.3)								
2.	recei		ard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to								
		the international application as originally filed/furn	nished								
	\boxtimes	the description:									
		pages1-22		as originally filed/furnished							
			received by this Authority on								
		pages*	received by this Authority on								
	\boxtimes	the claims:									
		nos. 6-8,10		as originally filed/furnished							
		nos.*	as amended (togethe	er with any statement) under Article 19							
		nos.* 3-5	received by this Authority on	21.07.2005							
		nos.* 1-2,9,11-12	received by this Authority on	27.02.2005							
	\boxtimes	the drawings:									
		sheets Fig. 1-18		as originally filed/furnished							
		•	received by this Authority on								
			received by this Authority on								
	П	a sequence listing and/or any related table(s) – see									
3.	$\overline{\Box}$	The amendments have resulted in the cancellation		2201128							
3.	ш										
		the description, pages									
		the claims, nos.									
		the drawings, sheets/figs									
				_							
	_	any table(s) related to sequence listing (spec									
4.		This report has been established as if (some of) t they have been considered to go beyond the disclo									
		the description, pages									
		the claims, nos.									
		the drawings, sheets/figs									
		the sequence listing (specify):									
		any table(s) related to sequence listing (spec	ify):								
*	If ite	m 4 applies, some or all of those sheets may be mar	ked "superseded."								

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2005/002237

Box		Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement					
	Novelty (N) Claims		1-12	_ YES		
		Claims		_ NO		
Inventive step (IS)		Claims	1-12	_ YES		
		Claims		_ NO		
	Industrial applicability (IA)		1-12	_ YES		
		Claims		_ NO		

- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 7-288806 A (Hitachi, Ltd.), 31 October 1995
 - Document 2: JP 5-344346 A (Casio Computer Co., Ltd.), 24

 December 1993
 - Document 3: JP 2003-52036 A (Hitachi Kokusai Electric Co., Ltd.), 21 February 2003
 - Document 4: JP 2001-230927 A (Seiko Epson Corporation), 24 August 2001 & US 2001/0024242 A1

The inventions set forth in claims 1 to 12 involve an inventive step in relation to documents 1 to 4 cited in the international search report. Documents 1 to 4 do not indicate that "a filtering region comprises an aggregation of one or more adjoining rectangular regions comprising two or more pixels dividing a block area into 2n (where n is a natural integer) equal parts", and this feature offers the invention of this application the advantageous effect that the AC component obtained by DCT is reduced.

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

From claims 1 and 2, 9, 11 and 12, it is impossible to specify whether the "filtering area" is an area which is "smaller than the block area", and is an area "comprising an aggregation of one or more adjoining rectangular regions comprising two or more pixels dividing a block area into 2n (where n is a natural integer) equal parts", or whether the "filtering area" is "an aggregation of one or more adjoining" "rectangular regions comprising two or more pixels dividing a block area into 2n (where n is a natural integer) equal parts, and which is smaller than the block area".

In addition, the description and drawings are not disclosed as to encompass both of the aforementioned areas.

From claim 5, it is unclear how a moving body detection sensor acts on an image compression device to determine important areas and unimportant areas.

In addition, the description and drawings do not specify the aforementioned determination.